

Anderson-Cottonwood Irrigation District Conjunctive Use Program

by Anderson Cottonwood Irrigation District - Amount funded: \$300,000

This project will use grant funds to construct up to 12 monitoring wells as part of the first phase of a two phase project. The monitoring wells will be used to characterize canal seepage, groundwater flow direction and rate of movement, changes in water levels and the economic, institutional, and environmental impacts of developing a supplemental groundwater supply. The future Phase 2 would include extraction wells to provide a 10,000 acre-feet supplemental supply to the district per recommendations that result from Phase 1 activities.

City of Tracy Aquifer Storage and Recovery Project by the City of Tracy - Amount funded: \$462,500

This project will construct an aquifer storage and recovery well, four monitoring wells, and pipelines to store treated surface water in the Tracy area aquifer. The project will bank 2,000 acre-feet per year of treated Delta-Mendota Canal contract water. Extraction will depend on dry year needs and storage availability.

Murphy Crossing Project by Pajaro Valley Water Management Agency - Amount funded: \$462,500

This project will construct facilities to divert water from the Pajaro River during high flow, convey the water to recharge basins for groundwater storage, and then extract the water when needed. Water is available from the Pajaro when flow exceeds 90 cubic feet per second, generally mid-January through mid-May.

North San Joaquin Water Conservation District Pilot Recharge Project

by North San Joaquin WCD - Amount funded: \$462,500

This project is a five-year pilot project involving wet-year water from the Mokelumne River. Wet-year water that is surplus to the needs of the lower river and Delta will be spread on four acres of ponds. Up to 50 percent of the recharged water, minus losses, would be available for extraction by wells for discharge into the Mokelumne River during dry and critically dry years. The impact of DBCP (dibromochloro propane) on groundwater quality and its implications for larger-scale conjunctive use projects would also be evaluated.

Other accomplishments of the storage Program include:

Shasta Enlargement: US Bureau of Reclamation (USBR) completed the "Appraisal Assessment of the Potential for Enlarging Shasta Dam and Reservoir." A project management team has been assembled and is developing the plan of study. Pre-feasibility data collection is continuing, including aerial surveys to determine the extent of inundation. USBR has had several meetings with local interests and public officials to provide information on the process and likely study alternatives.

In-Delta Storage: USBR and DWR completed an appraisal level assessment study of the Delta Wetlands Project, including background work to support future feasibility study efforts, including cost estimates and operation studies for alternative in-Delta storage configurations. USBR is seeking federal authorization for feasibility analysis.